



The photograph in HF Happenings 528 shows the West Rand ARC Field Station.

RaDAR Contest

An event aimed at promoting the use of Rapid Deployable Amateur Radio (RaDAR) stations and antennas, preferably without relying on normal mains power (Eskom). This contest is for everyone, at home, mobile or in the field. Any mode can be used CW, SSB, AM, FM or any digital mode. Any amateur band or Satellite can be used. The points system is so structured as to encourage portable operation. Score multipliers are used to reward and favour the Portable/RaDAR stations using temporary antennas and alternative power supply sources.

The next RaDAR contest takes place on Saturday 3 November 2012, starting at 12:00 UTC and ending at 18:00 UTC (14:00 CAT to 20:00 CAT) giving 6 hours of activity = approximately 4 during the day and 2 at night. All amateur bands allowed including cross band contacts via amateur satellites. QSOs via terrestrial repeaters will NOT be allowed. Modes - All amateur modes.

Suggested HF Calling frequencies

Band	CW	Phone	Digital	Notes
160 m	1 836 kHz	1 845 kHz	Refer to General Rule 16	ZS and ZR
80 m	3 560 kHz	3 690 kHz	Refer to General Rule 16	ZS, ZR and ZU
40 m	7 030 kHz	7 090 kHz	Refer to General Rule 16	ZS, ZR and ZU
20 m	14 080 kHz	14 240 kHz	Refer to General Rule 16	ZS and ZR
15 m	21 080 kHz	21 350 kHz	Refer to General Rule 16	ZS and ZR
10 m	28 060 kHz	28 360 kHz	Refer to General Rule 16	ZS, ZR and ZU

The exchange is your call sign, your name, a RS(T) report, your QTH and grid locator. If the grid locator is not known, then some other information that could describe the location, e.g. Mabula Lodge, 40 km west of Warmbaths

The scoring is 1 point per QSO and 1 QSO per mode, per band / satellite, per call sign. The following multipliers are applicable to determine the final score. Category multiplier - X 1 - Home station; X 2 - Field station and X 3 - RaDAR station (Refer to 'What constitutes a true RaDAR Station' below).

South African Radio League
Suid-Afrikaanse Radioliga

Member Society of the International Amateur Radio Union since 1925

www.sarl.org.za; www.iaru.org

www.iaru-r1.org





The definitions listed in the general section of the SARL rules define the above stations types accurately. A mobile station will be treated as a field station. A portable station not meeting the requirements as a field station will be treated as a home station.

The power multiplier that applies is determined by the highest power output of any of the transmitters used during the contest. - 5 watts or less the power multiplier is 6; 6 to 50 Watts, the power multiplier is 4 and 51 watts or greater, the power multiplier is 2.

Bonus points for Portable and RaDAR stations - 5 points (equivalent to five QSOs) for a minimum of one satellite or any digital mode QSO involving a computer. For clarity: thereafter 1 point per Satellite / Digital modes QSO)

What constitutes a true RaDAR Station? To be considered as a true RaDAR station, the entire station equipment, radios, batteries, mast, antennas and refreshments must be easily portable and hence the need to carry the equipment for at least 1 km prior to setting up. For the sake of safety, it will be acceptable to carry / backpack your entire station for a distance of at least 1 km and end up where you started from - your home, campsite, picnic site, motor vehicle or wherever you choose to operate. Log sheets must be sent to the Lichtenburg Amateur Radio Club (LARK), PO Box 410, Lichtenburg, 2740 or by e-mail to zs6lrk@nwinternet.za.org. The closing date for logs is 18 November 2012 and a photograph of the station (JPG format) MUST accompany every log entry.

November

1 and 2 – FNB Whisky Live Festival

www.whiskylivefestival.co.za

2 to 4 – Bonnievale Bonanza Outdoor Family Festival

www.bonnievalebonanza.co.za

2 to 4 Parys Dome Adventure Festival www.domefest.co.za

3 – RaDAR Contest

3 and 4 – Cape Town International Kite Festival

www.capementalhealth.co.za

10 – Mount Grace Fine produce Farmers Market, Magaliesburg

www.mountgrace.co.za

11 – Armistice Day / PEARS HF DX Contest

15 to 17 – Cherry Festival, Ficksburg

www.cherryfestival.co.za

17 and 18 – SARL National Field Day

24 and 25 – CQ WW DX Phone Contest

28 – SARL 80 m Club Contest, CW

African DX

Mauritania, 5T. Sadao, JA1PBV, is now active as 5T5BV until 10 November. Activity has been on 30, 12 and 10 metres using CW and RTTY. QSL via JA1PBV.

Togo, 5V. Wim, ON4CIT, is active as 5V7TH until 5 November. Activity is on 40 to 6 metres, including the 30, 17 and 12 metre bands, using CW, SSB and RTTY. QSL via his home call sign, direct, by the Bureau, LoTW or by the ClubLog's OQRS.

Uganda, 5X. Nick, G3RWF, is returning to Uganda on 6 November 2012 and will be active for five weeks as 5X1NH from the University of the Mountains of the Moon (MMU) in Fort Portal (WW Loc. KJ50co) on the HF bands, mainly CW. Nick will also participate in the CQ WW CW Contest (24 and 25 November) as a Single-Op/All-Band entry, CQ zone 37. QSL via his home call, direct or bureau. Website www.qrz.com/db/5X1NH

Liberia, EL. The Voodoo Contest Group will participate in the CQ WW CW Contest as EL2A (Multi-Multi) from Liberia. QSL via G3SXW. Outside the contest, possibly between 17 and 27 November, the team will operate with their personal call signs: AA7A as EL2ES, G3SXW as EL2A, G4BWP as EL2WP, G4IRN as EL2RN, KC7V as EL2MF, KY7M as EL2LF, and N7CW as





EL2WS. QSL EL2WP via G5LP, others via home call. Logs will be uploaded to LoTW and Club Log (with OQRS) as soon as possible.

Ethiopia, ET. The Ethiopian Amateur Radio Club, ET3AA (<http://et3aa.com/>), is commemorating their mentor, Sid T. May, ET3SID, who passed away in late September. Activity started on 29 October and will go on until they make 10 000 QSOs. The QSL manager for this event is N200.

African Islands

Seychelles, S7. Hardy, DL8NU, will be active as S79NU from Mahe (AF-024), Seychelles from 9 to 24 November. He will operate mainly CW. QSL via home call.

Special Event Stations

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 29 October to 5 November 2012.

NCCC Sprint

02:30 - 03:00 UTC 2 November

Mode: (see rules)

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 4 November 2012

E-mail logs to: (none)

Post log summary at: <http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rules.html>

IPARC CW Contest

0600Z-1000Z and 14:00 - 18:00 UTC 3 November

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op; Multi-Single; Multi-Multi; SWL

Exchange: USA IPA Members: RST, serial no, "IPA" and state; non-USA IPA Members: RST, serial no and "IPA"; non-IPA Members: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO; 5 points per QSO with IPA Member

Multipliers: Each country once; Each US state once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 December 2012

E-mail logs to: dj6qq@darc.de

Mail logs to: Uwe Greggersen, DL6QQ, Hurststr 9, D-51645 Gummersbach, Germany

Find rules at: [http://www.mydarc.de/dl0ipa/IPARC-Contest%202012%20\(engl\).pdf](http://www.mydarc.de/dl0ipa/IPARC-Contest%202012%20(engl).pdf)

Ukrainian DX Contest





12:00 UTC 3 November to 12:00 UTC 4 November

Mode: CW, SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band Mixed - CW and SSB - QRP, low or high; Single Op All Band - CW OR SSB - low or high; Single Op Single Band Mixed - CW and SSB; Multi-Single Mixed - CW and SSB

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Ukraine: RS(T) and 2-letter oblast; non-Ukraine: RS(T) and serial no

Work stations: Once per band per mode - CW/SSB

QSO Points: 1 point per QSO with same country; 2 points per QSO with different country, same continent; 3 points per QSO with different continent; non-UR Stations: 10 points per QSO with Ukraine

Multipliers: UR Stations: each DXCC/WAE country once per band; non-UR Stations: each DXCC/WAE country once per band; non-UR Stations: each Ukraine oblast once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 4 December 2012

E-mail logs to: urdxcr@ukr.net

Web-to-Cabrillo form: http://www.b4h.net/cabforms/ukrainiandx_cab.php

Mail logs to: Ukrainian Contest Club HQ, PO Box 4850, Zaporozhye 69118, Ukraine

Find rules at: <http://urdxcr.org/rules.php?english>

Himalayan Contest

12:00 UTC 3 November to 12:00 UTC 4 November

Mode: CW, SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op (QRP/Low/High); Multi-Single; Multi-Multi

Max power: HP: >100W; LP: 100W; QRP: 5W

Exchange: VU: RS(T) and VU State; non-VU: RS(T) and Power

Work stations: Once per band per mode

QSO Points: 3 points per QSO between VU stations; 6 points per QSO between VU and non-VU stations

Multipliers: Each VU state once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 20 November 2012

E-mail logs to: ARSILOGS@gmail.com

Mail logs to: Himalayan Contest, Prasad Rajagopal, PO Box 7523, Bangalore 560075, India

Find rules at: <http://arsi.info/contests/himalayan/rules>

ARRL CW Sweepstakes Contest

21:00 UTC 3 November to 03:00 UTC 5 November

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op (QRP, Low, High or Unlimited); Multi-Op; School Club (College, Technical or Secondary)

Max operating hours: 24 with at least 30 minute off times

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: Serial no, Precedence (Q/A/B/U/M/S), your call sign, Check and ARRL/RAC Section

Work stations: Once only

QSO Points: 2 points per QSO

Multipliers: Each ARRL/RAC section and VE NT once





Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 20 November 2012

E-mail logs to: SSCW@arrl.org

Web-to-Cabrillo form: http://www.b4h.net/cabforms/arrlsscw_cab3.php

Mail logs to: November SS CW, ARRL, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.arrl.org/sweepstakes>

NA Collegiate ARC CW Championship

21:00 UTC 3 November to 03:00 UTC 5 November

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: School Club (College)

Max operating hours: 24 with at least 30 minute off times

Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts

Exchange: Serial no, Precedence (Q/A/B/U/M/S), your call sign, Check and ARRL/RAC Section

Work stations: Once only

QSO Points: 2 points per QSO

Multipliers: Each ARRL/RAC section and VE NT once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 20 November 2012

E-mail logs to: SSCW@arrl.org

E-mail log summary to: wm5r@wm5r.org

Mail logs to: November SS CW, ARRL, 225 Main St., Newington, CT 06111, USA

Find rules at: <http://www.collegiatechampionship.org/rules/>

IPARC SSB Contest

06:00 - 10:00 UTC and 14:00 - 18:00 UTC 4 November

Mode: SSB

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op; Multi-Single; Multi-Multi; SWL

Exchange: USA IPA Members: RST, serial no, "IPA" and state; non-USA IPA Members: RST, serial no and "IPA"; non-IPA Members: RST and serial no

Work stations: Once per band

QSO Points: 1 point per QSO; 5 points per QSO with IPA Member

Multipliers: Each country once; Each US state once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 31 December 2012

E-mail logs to: dj6qq@darq.de

Mail logs to: Uwe Greggersen, DJ6QQ, Hurststr 9, D-51645 Gummersbach, Germany

Find rules at: [http://www.mydarq.de/dlOipa/IPARC-Contest%202012%20\(engl\).pdf](http://www.mydarq.de/dlOipa/IPARC-Contest%202012%20(engl).pdf)

High Speed Club CW Contest

09:00 - 11:00 UTC and 15:00 - 17:00 UTC 4 November

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: HSC Members; Non-Members; QRP; SWL

Max power: 150 watts; QRP: 5 watts

Exchange: Members: RST and HSC no; non-Members: RST and "NM"

Work stations: Once per band per period

QSO Points: 5 points per QSO with a HSC member; 1 points per QSO with a non-member





Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 25 November 2012

E-mail logs to: hsccontest@googlemail.com

Mail logs to: Jo Mertens, DJ4EY, HSC Contest Manager, Am Muhlebruch 32, 59581 Warstein, Germany

Find rules at: <http://www.highspeedclub.org/>

DARC 10-Metre Digital Contest

11:00 - 17:00 UTC 4 November

Mode: RTTY, Amtor, Clover, PSK31, Pactor

Bands: 10 m Only

Classes: Single Op; SWL

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: Each WAE/DCXX area; Each W/VE call area

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 19 November 2012

E-mail logs to: do1nnpf@darc.de

Mail logs to: Peter Frank, DO1NPF, Postfach 11 19, 90515 Altdorf, Germany

Find rules at:

<http://www.darc.de/referate/ukw-funksport/bild-und-schrift-wettbewerbe/corona-maerz/teilnahmebedingungen/>

Next Week's Contests

ARS Spartan Sprint, 02:00 - 04:00 UTC 6 November

NCCC Sprint, 02:30 - 03:00 UTC 9 November

WAE DX Contest, RTTY, 00:00 UTC 10 November to 23:59 UTC 11 November

10-10 Int. Fall Contest, Digital, 00:01 UTC 10 November to 23:59 UTC 11 November

JIDX Phone Contest, 07:00 UTC 10 November to 13:00 UTC 11 November

Kentucky QSO Party, 14:00 UTC 10 November to 02:00 UTC 11 November

SKCC Weekend Sprintathon, 00:00 - 23:59 UTC 11 November

NAQCC-EU Monthly Sprint, 18:00 - 20:00 UTC 12 November

History This Week

A look back at events that made history this week - compiled by the Summerland Amateur Radio Club of Lismore, NSW and Dennis, ZS4BS. The week starting Monday 22 October 2012.

1572 Supernova is observed in the constellation known as Cassiopeia

1815 Sir Humphrey Davy of London patents miner's safety lamp

1862 Gatling gun patented (Richard J Gatling)

1862 New York-San Francisco direct telegraphic link established

1895 First US patent granted for automobile (George B Selden)

1931 First commercially produced synthetic rubber manufactured

1936 First high-definition TV broadcast service, by BBC in London

1939 First jet plane, Heinkel He 178, demonstrated to German Air Ministry

1952 First hydrogen device exploded at Eniwetok Atoll in the Pacific

"Amateur radio is the most exciting of all technological hobbies"





Items used with acknowledgement to The ARRL Letter, Amateur Radio Newsline, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News and Southgate ARC

SARL National Field Day



The aim of the SARL National Field Day is to work as many stations as possible and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

The second leg of the Field Day will take place between 10:00 UTC on Saturday 17 November and 10:00 UTC on Sunday 18 November 2012 with activity on 160, 80, 40, 20, 15 and 10 metres using Phone, CW and Digital modes. Phone, CW and Digital modes on a band are considered as separate bands. A station may be worked only once per band under this rule. There is no limitation to the number of transmitters or receivers that may be employed. The use of more than one transmitter at the same time on a single band-mode is prohibited.

You and/or your Club can participate as follows:

Class A - Field Station -Multi operator: Such stations must be located in places that are not regular station locations and must comply with the requirements of a field station as defined in the general section of rules. A single licensee or trustee for the entry is responsible for the group entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 500 metres. All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains.

Class B - Field Station -Multi operator - QRP: All contacts must be made using an output power of 5 Watts or less. Other provisions are the same as Class A.

Class C - Field Station -Single Operator: Such stations must be located in places that are not regular station locations and must comply with the requirements of a field station as defined in the general section of rules. All equipment (including antennas) must lie within a circle whose diameter does not exceed 500 metres. All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains.

Class D - Field Station -Single Operator - QRP: All contacts must be made using an output power of 5 Watts or less. Other provisions are the same as Class C.

Class E - General stations: Stations operating from permanent or licensed station locations using commercial power.

Only one call sign per station is permitted. In the case of multi-operator stations using more than one transmitter, all operators shall use the same call sign.

Establishment of Stations. Equipment for Field Stations may only be set up in the 24 hours prior to the starting time of the contest. This restriction applies to antennas, masts, towers and transmitting equipment, but excludes accommodation such as a caravan, tent, etc. Once a Field Station has been established at a site, it may not move to an alternative site after the contest starts.

The exchange is the number of transmitters, Field Day operating Class and Province. Examples - A three-transmitter class A field station in Gauteng would send "3A GP" on CW or "3 Alpha - Golf Papa" on Phone. A general station using a single transceiver located in Cape Town would give the following exchange "1E WC" on CW or "1 Echo - Whiskey Charlie" on phone. DX stations send operating class and the term DX (i.e. "1E DX"). Refer to general section for two letter abbreviations for South African provinces.





Scores are based on the total number of QSO points x the power multiplier x the number of provinces worked x the class multiplier.

QSO Points: Each contact with a station from one of the South African provinces counts for five points. Each DX contact counts one point.

Power multipliers: X 6: Power 5 watts or less; X 4: Power 50 watts or less; X 2: Power 100 watts or less or X 1: Power greater than 100 watt. The power multiplier for an entry is determined by the maximum output power used by any transmitter used to complete any contact during the event.

Provinces worked multiplier: A multiplier of one for each one of the 9 South African provinces worked (regardless of band) and one extra for working any station outside of the 9 provinces i.e. DX. Refer to general rules para. 17

Class multiplier: General stations, class multiplier of 1; Field stations single & multi, class multiplier of 3

Miscellaneous Rules

- ✓ A person may not contact for QSO credit any station from which they also participate.
- ✓ A transmitter/receiver/transceiver used to contact one or more Field Day stations may not subsequently be used under any other call sign to participate in Field Day.
- ✓ Batteries may be charged while in use. The batteries must be charged from a power source other than commercial power mains.
- ✓ All stations for a single entry must be operated under one call sign

Log and summary sheets must be sent by e-mail to zs4bfn@netactive.co.za or by post to the SARL National Field Day, Box 12104, Brandhof, 9324. The closing date for log submissions is 26 November 2012.

Make this a Club weekend and set-up in a local park or caravan park or somewhere away from home!

